

## PALLADIUM COMPLEXES FOR PRINTING CIRCUITS

## ABSTRACT OF THE DISCLOSURE

5 An ink-jettable composition including a palladium aliphatic amine complex solvated in a liquid vehicle can be used in formation of electronic devices. The ink-jettable composition containing a palladium aliphatic amine complex can be jetted onto a substrate in a predetermined pattern. A second composition can also be applied to the substrate using ink-jet printing or other printing techniques,

10 wherein the second composition is applied onto at least a portion of the predetermined pattern. The second composition can include a reducing agent which is capable of reducing the palladium aliphatic amine complex to palladium metal, typically upon the application of heat. The described ink-jettable palladium complex compositions can be stable over a wide range of conditions and allow

15 for the formation electronic devices on a variety of substrates.